

WHAT IS CLAIMED IS:

1. A production process for polyarylene sulfide which is a process for continuously producing polyarylene sulfide by reacting a sulfur source with a dihalogenated aromatic compound in an aprotic organic solvent, characterized by comprising at least one polymerization reaction step in which two phases of a polymer phase and a solvent phase are separated and in which the polymer phase corresponding to a dispersion phase is a dispersion phase comprising globular droplets; and characterized by using an end terminator in the above polymerization reaction step.
2. The production process as described in claim 1, wherein the polymerization is carried out at a temperature falling within a range of from 230 to 280 °C.
3. The production process as described in claim 1, wherein the continuous polymerization is carried out after charging the reactor in advance with a phase-separating agent and the aprotic organic solvent.
4. The production process as described in claim 1, wherein the continuous polymerization is carried out

after the sulfur source and the dihalogenated aromatic compound are subjected in advance to batch polymerization in the aprotic organic solvent to turn the polymer phase corresponding to the dispersion phase into globular droplets.

5. The production process as described in claim 1, wherein preliminary polymerization is carried out in advance.

6. The production process as described in claim 5, wherein the preliminary polymerization is carried out at a temperature falling within a range of from 180 to 220°C.

7. The production process as described in claim 1 or 5, wherein an end terminator is added in the preliminary polymerization or the continuous polymerization to carry out the reaction.